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Form	PTO-144	19 U.S.	<b>Department</b>	of Commerce
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INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

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Atty. Docket No. 036217/US/2 – 475387-00191

Serial No. 10/551,735

Applicant(s)

Guillermo J. Tearney

Filing Date September 29, 2005

Group

To be determined

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Examiner /Samuel A. Turner/

Date Considered

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<sup>\*</sup> Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Atty. Docket No. 36217/US/2 – 475387-00191

Serial No. 10/551,735

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Guillermo J. Tearney

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(Use several sheets if necessary)

Atty. Docket No. 036217/US/2 - 475387-00191

Serial No. 10/551,735

Applicant(s)
Milen Shishkov

Filing Date September 29, 2005 Group
To be assigned

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Page 4 of 41 Atty. Docket No. Serial No. Form PTO-1449 U.S. Department of Commerce 036217/US/2 - 475387-10/551,735 (REV. 2-82) Patent and Trademark Office 00191 INFORMATION DISCLOSURE STATEMENT Applicant(s) BY APPLICANT Guillermo J. Tearney (Use several sheets if necessary) Filing Date Group September 29, 2005 To be assigned Barton, J. K., A. Rollins, et al. (2001). "Photothermal coagulation of blood vessels: a comparison of /SAT/ high-speed optical coherence tomography and numerical modelling." Physics in Medicine and Biology 46. Barton, J. K., A. J. Welch, et al. (1998). "Investigating pulsed dye laser-blood vessel interaction with color Doppler optical coherence tomography." Optics Express 3. Bashkansky, M., M. D. Duncan, et al. (1997). "Subsurface defect detection in ceramics by highspeed high-resolution optical coherent tomography." Optics Letters 22 (1): 61-63. Bashkansky, M. and J. Reintjes (2000). "Statistics and reduction of speckle in optical coherence tomography." Optics Letters 25(8): 545-547. Baumgartner, A., S. Dichtl, et al. (2000). "Polarization-sensitive optical coherence tomography of dental structures." Caries Research 34(1): 59-69. Baumgartner, A., C. K. Hitzenberger, et al. (2000). "Resolution-improved dual-beam and standard optical coherence tomography: a comparison." Graefes Archive for Clinical and Experimental Ophthalmology 238(5): 385-392. Baumgartner, A., C. K. Hitzenberger, et al. (1998). "Signal and resolution enhancements in dual beam optical coherence tomography of the human eye." Journal of Biomedical Optics 3(1): 45-54. Beaurepaire, E., P. Gleyzes, et at. (1998). Optical coherence microscopy for the in-depth study of biological structures: System based on a parallel detection scheme, Proceedings of SPIE - The International Society for Optical Engineering. Beaurepaire, E., L. Moreaux, et al. (1999). "Combined scanning optical coherence and two-photonexcited fluorescence microscopy." Optics Letters 24(14): 969-971. Bechara, F. G., T. Gambichler, et al. (2004). "Histomorphologic correlation with routine histology and optical coherence tomography." Skin Research and Technology 10 (3): 169-173. Bechmann, M., M. J. Thiel, et al. (2000). "Central corneal thickness determined with optical coherence tomography in various types of glaucoma. [see comments]." British Journal of Ophthalmology 84(11): 1233-7. Bek, T. and M. Kandi (2000). "Quantitative anomaloscopy and optical coherence tomography scanning in central serous chorioretinopathy." Acta Ophthalmologica Scandinavica 78(6): 632-7. Benoit, A. M., K. Naoun, et al. (2001). "Linear dichroism of the retinal nerve fiber layer expressed /SAT/ with Mueller matrices." Applied Optics 40(4): 565-569 Examiner

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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Atty. Docket No. 036217/US/2 - 475387-00191

Serial No. 10/551735

Applicant(s)

Guillermo J. Tearney

Filing Date Herewith (September 29, 2005) Group
To be assigned

#### Filing Date \*Exam. Document No. Date Cla Subclass Name if Appropriate Init. SS January 25, 1944 P.H. Brace /SAT/ July 15, 1986 Faxvog et al December 23, 1986 Cutler September 19, 1989 Fox et al May 15, 1990 Cutler 9 . October 23, 1990 Picard February 19, 1991 Carlhoff et al August 20, 1991 Keane September 10, 1991 Crilly June 9, 1992 Harris March 30, 1993 Helfer et al March 15, 1994 Alfano et al May 31, 1994 Hochberg et al June 14, 1994 Swanson et al October 11, 1994 Jacques et al January 24, 1995 Auer et al May 30, 1995 Kittrell et al August 8, 1995 Gunderson et al August 15, 1995 Lodder et al October 17, 1995 Swanson et al

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Atty. Docket No. 036217/US/2 – 475387-00191

Serial No. 107 55197035

Applicant(s)

Guillermo J. Tearney

Filing Date Herewith (September 29, 2005) Group
To be assigned

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Atty. Docket No. 036217/US/2 - 475387-00191

Serial No. 10% 554g7835

Applicant(s)

Guillermo J. Tearney

Filing Date
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Examiner	/Samuel A. Turner/	Date Considered	05/15/2007

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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Atty. Docket No. 036217/US/2 – 475387-00191

Serial No.

10/755 assigned

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Guillermo J. Tearney

Filing Date Herewith (September 29, 2005) Group
To be assigned

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Examiner	/Samuel A. Turner/	Date Considered	05/15/2007

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To be assigned

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Page 6 of 11 Form PTO-1449 U.S. Department of Commerce Atty. Docket No. Serial No. (REV. 2-82) Patent and Trademark Office 036217/US/2 - 475387-To be assigne 00191 INFORMATION DISCLOSURE STATEMENT BY APPLICANT Applicant(s) (Use several sheets if necessary) Guillermo J. Tearney Filing Date Group Herewith (September 29, To be assigned 2005) Tearney, et al., "In Vivo Endoscopic Optical Biopsy with Optical Coherence Tomography", /SAT/ SCIENCE, Vol. 276, June 1997 W. Drexler et al., "In Vivo Ultrahigh-Resolution Optical Coherence Tomography", Opt. Lett. Vol. 24, pp. 1221-3, September 1999 Nicusor V. Iftimia et al., "A Portable, Low Coherence Interferometry Based Instrument for Fine Needle Aspiration Biopsy Guidance" Accepted to Review of Scientific Instruments, 2005 Abbas, G.L., V.W.S. Chan et al., "Local-Oscillator Excess-Noise Suppression for Homodyne and Heterodyne-Detection", Optics Letters, Vol. 8, pages 419-421, August 1983 issue Agrawal, G.P., "Population Pulsations and Nondegenerate 4-Wave Mixing in Semiconductor-Lasers and Amplifiers", Journal Of The Optical Society Of America B-Optical Physics, Vol. 5, pages 147-159, January 1998 Andretzky, P. et al., "Optical Coherence Tomography by Spectral Radar: Improvement of Signal-to-Noise Ratio", The International Society for Optical Engineering, USA, Vol. 3915, 2000 Ballif, J. et al., "Rapid and Scalable Scans at 21 m/s in optical Low-Coherence Reflectometry", Optics Letters, Vol. 22, pages 757-759, June 1997 Barfuss H. et al., "Modified Optical Frequency-Domain Reflectometry with High Spatial-Resolution for Components of Integrated Optic Systems", Journal Of Lightwave Technology, Vol. 7, pages 3-10, January 1989 Beaud, P. et al., "Optical Reflectometry with Micrometer Resolution for the Investigation of Integrated Optical-Devices", Leee Journal of Quantum Electronics, Vol. 25, pages 755-759, **April 1989** Bouma, Brett et al., "Power-Efficient Nonreciprocal Interferometer and Linear-Scanning Fiber-Optic Catheter for Optical Coherence Tomography", Optics Letters, Vol. 24, pages 531-533, April 1999 Brinkmeyer, E. et al., "Efficient Algorithm for Non-Equidistant Interpolation of Sampled Data", Electronics Letters, Vol. 28, page 693, March 1992 /SAT/ Examiner Date Considered /Samuel A. Turner/ 05/15/2007

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Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office

# BY APPLICANT

(Use several sheets if necessary)

Atty. Docket No. 036217/US/2 - 475387-00191

Serial No. 107 551735

Applicant(s)

Guillermo J. Tearney

Filing Date Herewith (September 29, 2005)

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To be assigned 7.551.735

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Guillermo J. Tearney

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